

WHAT WE CLAIM IS

1. Clamping device for clamping work pieces of the type comprising:

a box-shaped casing having a longitudinal axis;

5 a clamping arm, pivotally connected by the box-shaped casing to angularly rotate between a first and a second operative position;

a control actuator, operatively connected to the clamping arm; and

10 at least a first and a second sensor for monitoring the operative positions of the clamping arm, said sensors being adjustable fastened to a support device, in correspondence with an elongated aperture in a side wall of the box-shaped casing of the clamping 15 device, wherein said sensor support device comprises:

a longitudinally extending base member;

a plurality of side by side arranged anchoring bushes on said base member; and

20 fastening means, said fastening means being conformed and arranged for positioning each sensor to the base member and for removably fastening each sensor to a related anchoring bush.

25 2. A clamping device according to claim 1, wherein said support device for the sensors comprises a base plate having a longitudinally extending sensor

anchoring face;

    said sensor anchoring bushes laterally protruding  
    from one side of said base plate;

    a slot for wires passage longitudinally extending  
5    on the base plate along one side of said plurality of  
    anchoring bushes, and a plurality of cross slots each  
    extending between adjacent anchoring bushes.

3. A clamping device according to claim 2,  
    wherein said anchoring bushes for the sensors extend  
10   from the base plate, inside a box-shaped case housing a  
    power supply circuit.

4. A clamping device according to claim 2,  
    wherein positioning means for the sensors, are provided  
    said positioning means comprising a cavity on the body  
15   of each sensor, and a related engaging tooth on the  
    base plate 21, in correspondence with each anchoring  
    bush.

5. A clamping device according to claim 2,  
    wherein the slot for the passage of the electric wires,  
20   at one end of the base plate, extends with a slot  
    portion aligned with the anchoring bushes.

6. A clamping device according to claim 1,  
    wherein the sensor support device comprises box-shaped  
    body having a rear wall defining said base member, and  
25   a peripheral wall said anchoring bushes extending from

the rear wall, beyond said peripheral wall.

7. A clamping device according to claim 6,  
wherein the box-shaped body for supporting the sensors  
comprises a cavity for housing a power supply electric  
5 circuit, at one end.

8. A clamping device according to claim 1,  
wherein said sensor fastening means are of screw type.

9. A clamping device according to claim 1,  
wherein said sensors are of the optical type.